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MAY 22 2006

Docket No.: 070602-0487

PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Customer Number: 31824
Robert Sigler, et al. : Confirmation Number: 8053
Application No.: 10/803,786 : Group Art Unit: 2872
Filed: March 17, 2004 : Examiner: Joshua L. Pritchett
For: **MULTI-APERTURE HIGH-FILL
FACTOR TELESCOPE**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL AFFIDAVIT UNDER 37 CFR 1.132

Sir:

I, Robert Dayton Sigler, declare and say as follows:

1. I am one of the inventors named in the above-identified U.S. Patent Application No. 10/803,786, entitled 'Multi-Aperture High-Fill Factor Telescope.'
2. As one of the co-inventors, I am very familiar with the subject matter of the present invention. The present invention includes the feature of a last flat fold mirror being disposed within about a beam diameter of an associated or respective exit pupil from the associated or respective exit pupil.
3. I am familiar with the prosecution of the above-identified application, and I have read and understand the Office Action dated February 21, 2006.

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10/803,786

4. As I understand the Office Action, the Examiner considers the broadest reasonable interpretation of "about one beam diameter" to overlap with the broad range of about three or four beam diameters.

5. The last flat fold mirror disposed within about a beam diameter of an exit pupil from the exit pupil optimizes both the fill factor and field of view. In contrast, a last fold mirror disposed about three or four beam diameters of an exit pupil from the exit pupil would compromise the fill factor or field of view and thus could not work as intended by the present invention.

6. I am a person skilled in the art, and it is my opinion that those of skill in the art would not understand the broadest reasonable interpretation of "about one beam diameter" to overlap with the broad range of about three or four beam diameters because the latter could not work as intended by the present invention.

7. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

5/22/2006
Date

Robert Dayton Sigler
Robert Dayton Sigler

ORC 38835A-3.070602.0487